

# Acnet Diagnostics

*Tools for analysis*

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One can never have too much diagnostics. In the Linac/IRM-style systems, the data stream paradigm has been used for many different diagnostic records, some of which relate to Acnet protocols.

The ACNETERR data stream logs occasions when a server node sends a RETDAT reply that includes nonzero error status. Besides the time when the reply was built, the size, pseudo node#, message id, and contributing node number are logged.

An AERSLOG data stream logs communications with AEOLUS, the Acnet alarm handler that runs on OPER. Five types of occurrences are logged. FEBT messages that are sent, the corresponding acknowledgment reply, ERM messages that are sent, the corresponding acknowledgment reply, and BIGC messages are included.

The RETDLOG data stream logs Acnet RETDAT request messages. Besides the time-of-day, the source node#, the message id, the number of bytes expected in the reply, the number of devices, and the FTD are logged. Cancel messages are also logged.

Additional logs may be helpful in analysis of Acnet protocol communications.